

**TUNABLE ENGINE, METHOD AND PROGRAM PRODUCT FOR RESOLVING
PREREQUISITES FOR CLIENT DEVICES IN AN OPEN SERVICE GATEWAY
INITIATIVE (OSGi) FRAMEWORK**

Abstract of the Invention

Under the present invention, each client device will have a corresponding configuration that is accessible to the server. Each configuration sets forth various computer resources as well as corresponding normalization and importance factors for the associated client device. If a certain OSGi bundle is to be loaded and run on a particular client device, certain prerequisites (e.g., services packages, etc.) will likely be necessary. Any prerequisites that the client device lacks will be obtained using potential combinations of other OSGi bundles registered with the server. The most appropriate combination of OSGi bundles will be selected from the possible combinations by processing the configuration based on the amounts of computer resources of the client device that will be consumed by each of the possible combinations.